GB

Dear customer,

Before starting, it is essential that you read carefully right through the installation and operation instruction booklet before plugging in to the mains socket. The following instructions should prevent the risk of personal injury and/or damages to the machine.

Please keep these documents for later reference in a safe place.

This operating manual has been written for different machines and some of the features mentioned here may not apply to your specific machine.

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# 1 Disposal

## Recycling

The packaging and some parts of your machine are made from recyclable materials. These materials are marked up with recycling symbol and material type information (PE, PS, POM). Remove the packaging material and dispose of it in accordance with regulations prior to taking the machine into operation.

⚠ Warning

Packaging materials may be dangerous to children.
Reusable substances may be dropped off at the local disposal facilities. You may obtain further information from the authorities and disposal facilities.

## Disposal of your old machine

Dispose of your old machine in accordance with the disposal guidelines which are in effect at the location where you reside. To avoid dangers, please make the machine unusable until the time of transport.
Pull out the mains plug and cut the power cable. Render the door lock unusable.

This appliance is marked according to the European directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).

By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

The symbol on the product, or on the documents accompanying the product, indicates that this appliance may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. Disposal must be carried out in accordance with local environmental regulations for waste disposal.

For more detailed information about treatment, recovery and recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

# 2 Safety Instructions

## Before installation

Check the machine for transport damages. Never install and use damaged machines. If in doubt, contact your supplier.

## Before first use

- See Notes for Installation on page 22.
- Have the grounding system installed by a qualified electrician.
  The manufacturer cannot be hold liable for any damages that are due to operating the machine without proper grounding.
- Before operating the system, please check that the data given on the type plate are in accordance with the data of your power supply.
- The dishwasher must be separated from the mains during installation.

- The connection of the machine to the mains may not be made by using an extension cable. Extension cables do not provide the necessary safety (e.g. danger of overheating).
- Always use the original plug delivered with the machine.
- The plug must be freely accessible after the machine has been installed.

## Children's safety

- Do not allow children to play with the machine.
- Dishwasher detergents may have caustic effects in the areas of the eyes, mouth and throat. Please note the safety notes provided by the manufacturers of the detergents.
- Never leave children unsupervised while the machine is open. Leftovers of the detergents may still be contained in the machine.
- The water in the dishwasher is not drinking water. Danger of caustic injuries.
- Always place long and sharp/pointed objects (e.g. serving fork, bread knife) into the cutlery basket with the pointed end down or flat on the upper basket to avoid possible injuries.

## For daily operation

- Use your machine only in the household, for the following uses: Washing household dishes.
- Do not use chemical solvents in the machine; there is a danger of explosion.
- Do not sit or stand on the opened door or place other things on it. The machine may tip over.
- Do not open the door while the machine is in operation. Hot water or steam may escape.
- Do not leave the door open – an open door can be a hazard.

## In the case of problems

- Repairs and changes to the machine may only be carried out by qualified customer service personnel.
- In the event of problems or repairs, disconnect the machine from the mains supply:
  - disconnect the machine by pulling the mains plug
  - shut off the fuse.
- Do not pull on the cable – pull on the plug. Turn off the water supply tap.

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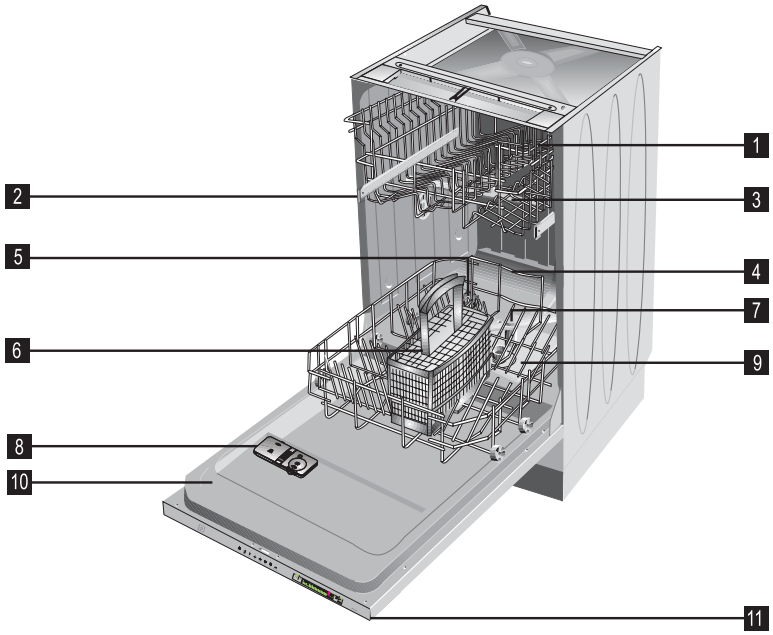
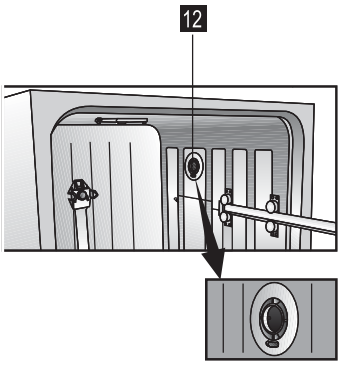
# 3 Get to know your machine

## View of the machine



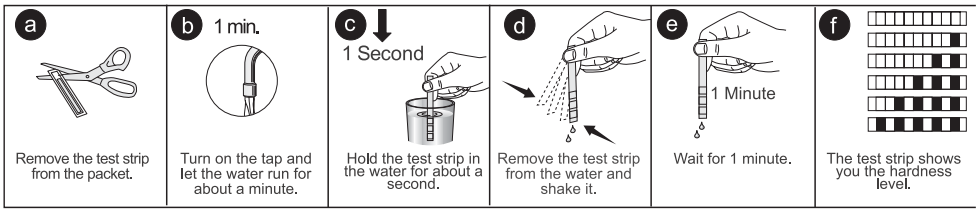

1 Upper basket with rack
2 Guiding track for the upper basket
3 Upper spray arm
4 Lower basket
5 Salt container
6 Cutlery basket
7 Lower spray arm
8 Detergent dispenser
9 Filters
10 Door
11 Control panel
12 Hot air drying system (depending on the model)

# 4 Setting the water hardness level for the water softener

## Softening the water

Dishwashers require fairly soft water. If the hardness exceeds 6°dH lime scale will form on crockery. To avoid this an automatic system adds a special salt to soften the water so that you obtain the best possible cleaning and drying performance.

To find out the hardness level of your water contact your local water company, or use the enclosed test strip to measure the water hardness:


a
Remove the test strip from the packet.
b 1 min.
Turn on the tap and let the water run for about a minute.
c 1 Second
Hold the test strip in the water for about a second.
d
Remove the test strip from the water and shake it.
e 1 Minute
Wait for 1 minute.
f
The test strip shows you the hardness level.

1. Press the Program Selection Button before you switch the appliance on and keep this button pressed down.
2. Switch the appliance on using the On/Off Switch, then release the switch.
3. Hold the Program Selection Button down for 10 seconds until the Control Indicator on the Start/Pause Button begins to flash.
4. Water hardness can be set to the desired level by pressing the Program Selection Button (Compare the test strip with the Degrees of Hardness Table). The Multi-Function Display shows the appropriate message.
5. Once you have set the hardness level press the Start/Pause Button to save the value. The Control Indicator on the Start/Pause Button now lights up permanently.

Hardness Level

| Hardness Level | British hardn. °dE | German hardn. °dH | French hardn. °dF | Indicator in the Multi-Function Display |
|---|---|---|---|---|
| 1 | 0-6 | 0-5 | 0-9 | The display shows the message: r1 |
| 2 | 7-14 | 6-11 | 10-20 | The display shows the message: r2 |
| 3 | 15-21 | 12-17 | 21-30 | The display shows the message: r3 |
| 4 | 22-28 | 18-22 | 31-40 | The display shows the message: r4 |
| 5 | 29-42 | 23-34 | 41-60 | The display shows the message: r5 |
| 6 | 43-56 | 35-45 | 61-80 | The display shows the message: r5 |

°dH: German hardness level 1 °dH = 1 mg CaO/100 ml Water = 0.179 mmol

Switch the appliance off again using the On/Off switch.
If the water hardness level is less than 5°dH you do not need any special softening salt. In this case the 'Salt' Control Indicator lights up continually (depending on the model).
If your local hardness level exceeds 45°dH you should consider getting a water softening device for your dishwasher.
If you use stream water or rainwater you are recommended to install filters.
If you move do not forget to adjust the water hardness level to suit your new neighbourhood.

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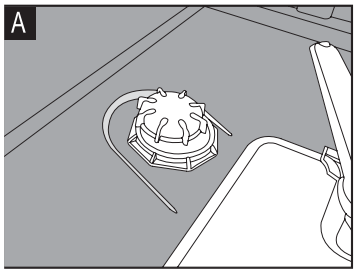
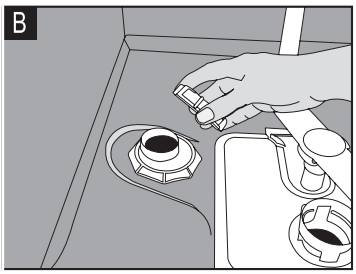



## Filling the dishwasher salt

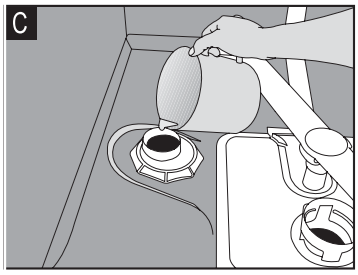
⚠ Attention

Only use special dishwasher salt in your machine to soften the water.
The manufacturer is not liable for damages resulting from the use of the wrong salt type.
Do not use coarse grained salt. Small grains or powdered salt is more easily soluble. Never use culinary or table salt. These types of salt do not dissolve in water easily and will damage the function of the softening device.




Remove the lower basket from the machine.

Open the screw-in cap of the salt container by turning it counter clockwise (Fig. A B ).



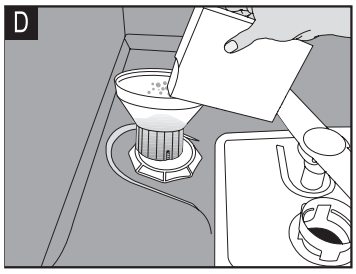

When operating for the first time:

Pour 1 Litre of water into the salt container (Fig. C ).

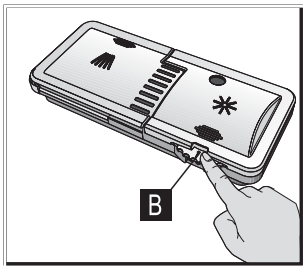
Pour the salt into the container with the aid of the supplied salt funnel (Fig. D ).

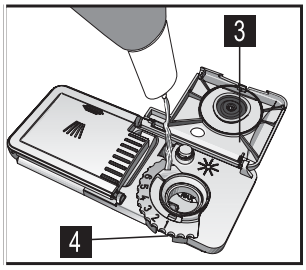
Pour in enough salt to
fill the container. The container holds approx. 2 kg.

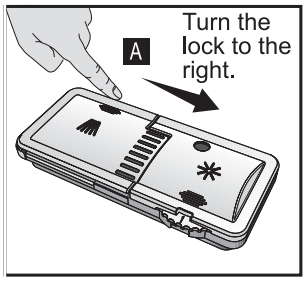
Close the cap tightly.

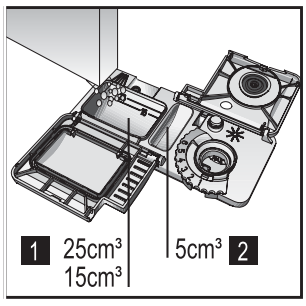



Begin a washing programme immediately after filling the salt container. The washing program prevents damage to the machine which may be caused by any spilled salt solution.
After the first washing cycle, the salt level indicator light will go out.




## Filling the rinse aid dispenser

Rinse aids allow washing water to rinse off more cleanly and prevent watermarks or streaks on the dishes.
Only use rinse aids suited to use in dishwashers.

- Note -
If you use „2 in 1“ or „3 in 1“ detergents / tabs, you do not need an additional rinse aid.

Open the rinse aid dispenser by pressing the lock (B)

Carefully pour in rinse aid to the MAX mark.
Close the lid until it clicks in (3).

Carefully wipe off spilled rinse aid. Excessive rinse aid causes excessive foam formation, which may hinder cleaning.

### Set the dose of rinse aid

The dose of rinse aid to be used can be set by means of the dispenser regulator between levels 1 and 6 (4). Your machine is pre-set at the factory to level 3.
Only change the setting if the following applies after washing:

- Watermarks are visible on the dishes: Set dosage higher
- Streaks are visible on the dishes: Set dosage lower

## Filling the detergent dispenser

- Note -
Only use detergents suited to use in dishwashers.

Open the detergent container by pushing the lock to the right (A).
Marking lines on the inside of the detergent container aid in providing the correct amount of detergent.
The detergent container holds a total of 40 cm³ of detergent (1).
When the dishwasher is fully loaded and the dishes are very dirty, we recommend filling the detergent container up to the 25 cm³ mark. When the dishes are less dirty, it is generally sufficient to fill the detergent up to the 15 cm³ mark.
If your dishes have been in the dishwasher for some time without being washed, additionally fill the small container up to the top (2).
The detergent amounts for the individual cleaning programmes are shown in the cleaning table.
Deviations are possible depending on how dirty the dishes are and on how hard the water is in your location.

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Detergents

There are 3 types of detergents:
1. Phosphate and containing chlorine
2. Phosphate containing, no chlorine
3. Neither containing phosphate nor chlorine

The new compact powders are normally phosphate free. As phosphates have water softening properties, we suggest you add salt to the salt container even if the hardness of your water is only 6°dH. In hard water areas, if a phosphate free detergent is used, white marks on the dishes and glasses may be observed. It may be prevented by increasing the amount of detergent. Detergents without chlorine have less bleaching effect. Coloured stains may not be fully removed. Choose a programme with a higher wash temperature.

⚠Attention
Always store your detergents in locations which are cool, dry and out of the reach of children.

Pour the detergent into the detergent dispenser before turning the machine on.

Too much detergent may mean that the detergent does not dissolve properly and dishes are scratched.

TWO-IN-ONE AND THREE-IN-ONE DETERGENTS

You will obtain the best results from your dishwasher if you use a separate detergent, rinse aid and water-softening salt.

Detergent manufacturers also produce combined detergents known as 'two-in-one' and 'three-in-one'.

Three-in-one: These products contain detergent, rinse aid and water-softening salt.
Two-in-one: These products contain detergent and either rinse aid or water-softening salt.

In general, you will obtain satisfactory results from combined detergents only under specific usage conditions. These detergents contain predetermined amounts of rinse aid and/or softening salt. This means that you cannot adjust the amount of water-softening salt and rinse aid that you use to suit the water hardness level in your home.

You should bear the following points in mind when using such detergents:

- Be sure to check the specifications of the product you are using and whether it is a combined product or not.
- Follow the instructions on the packet when using these products.
- The use of these products at the correct appliance settings will ensure economical use of salt and/or rinse aid.
- If the detergent is in tablet form, never place these in the internal section or cutlery basket of the dishwasher. Always place the tablets in the detergent dispenser of the detergent holder.

Using three-in-one detergent: detergent, softening salt and rinse aid
- These detergents will not give you the same drying performance that you can obtain by using separate detergent, salt and rinse aid. To increase the drying performance:
Put your appliance's rinse aid setting at "1" and apply rinse aid. When the rinse aid is used up, add more rinse aid to the rinse aid dispenser.
- If you use combined detergents with a rinse aid setting higher than 1, contact with the hands may leave rainbow-coloured water stains on the washed items and inside the machine.
- If you use combined detergents without adding salt, lime scale may form especially on glasses. To avoid lime scale formation:
Put your appliance's water softener setting at "1" and add salt. When the salt is used up, add more salt to the water softener.

Using two-in-one detergent: detergent and softening salt
- These detergents do not contain rinse aid so you need to use the rinse aid setting as described in the manual, making sure that there is rinse aid in the rinse aid dispenser with every wash and that you refill the rinse aid dispenser with rinse aid every time it is empty.
Using two-in-one detergent: detergent and rinse aid

- These detergents will not give you the same drying performance that you can obtain by using separate detergent, salt and rinse aid. To increase the drying performance:

Put your appliance's rinse aid setting at "1" and apply rinse aid. When the rinse aid is used up, add more rinse aid to the rinse aid dispenser.
- If you use combined detergents with a rinse aid setting higher than 1, contact with the hands may leave rainbow-coloured water stains on the washed items and inside the machine.
- These detergents do not contain softening salt so you need to use the softening setting as described in the manual, making sure that there is water-softening salt in the water softener with every wash and that you refill the water softener with salt every time it is empty.

Important warning
- Should you encounter a problem that has previously never occured after you start using these detergents, contact the detergent manufacturer directly. You will find contact details on the packet.

If you stop using this kind of detergent:
- Ensure that the salt and rinse aid dispensers are full.
- Put the water hardness setting at the highest level and run a wash cycle with the appliance empty.
- After washing while empty, return the water hardness setting to the correct level for your mains water hardness shown in the manual.
- Put the rinse aid setting at the correct level.

## 5 What should not be washed in your dishwasher

- Rust sensitive steel parts:
- Cutlery with wooden or horn handles
- Cutlery with mother of pearl or porcelain handles
- Non heat resistant plastic parts
- No glued dish or cutlery parts
- No items made out of copper, tin or aluminium
- Sensitive decorative glasses and porcelain parts
- Lead crystal glasses
- Art and crafted articles
- Aluminium and silver tend to discolour
- Glass and crystal articles may lose their shine over time
- Sponges and dishcloths

Note
Do not wash items soiled with cigarette ash, candle wax, varnish, paints or chemicals.

Recommendation:
When buying new dishes, note whether they are suitable for the dishwasher.
(marked as dishwasher proof)

## 6 Loading the dishwasher

### General:

Before you load the dishwasher with dishes
- Remove coarse food leftovers
- Place all containers such as cups, glasses and pots into the machine with the opening facing downwards (so that no water can collect)
- Dishes and cutlery may not be placed above each other
- Glasses may not touch
- The movement of the spray arms must not be hindered
- Place all large and very dirty items in the lower basket.
- Small and light items can go into the upper basket.
- Long and narrow items are placed in the middle of the baskets.

⚠ Attention
Knives and other utensils with sharp tips and edges must be placed horizontally into the upper basket due to risk of injury.

Please do not overload your dishwasher and pay attention to the notes regarding dishes which are suited to the dishwasher.
Only in this manner will you obtain optimal washing results with a sensible use of energy.

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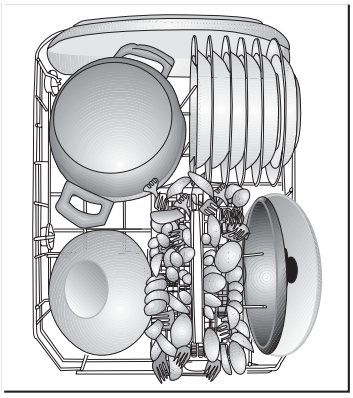
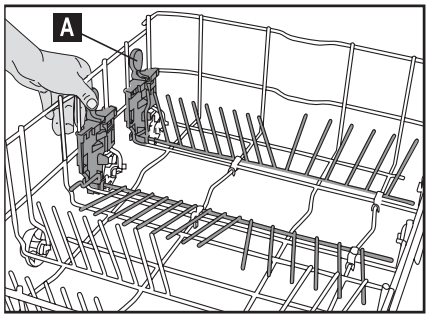


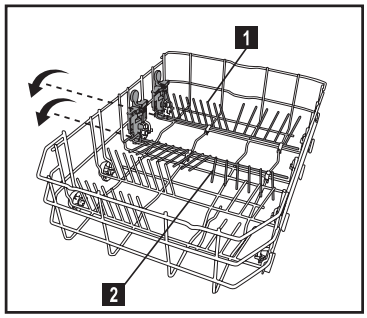
## Lower basket
## Suggestions for loading the dishwasher

Use the lower basket for plates, bowls, pots etc.

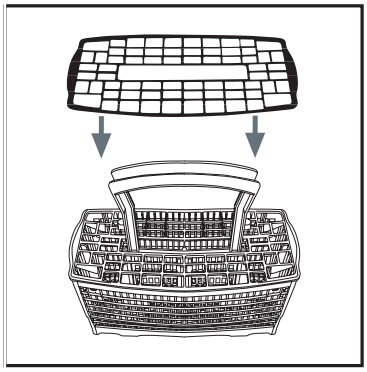
### 2 folding plate support rods
### (depending on the model)

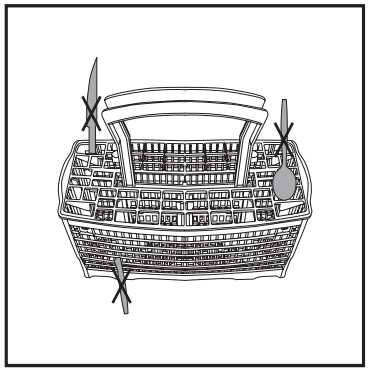
There are two separate "folding plate support rods" in the lower basket of your dishwasher designed to allow you more space to accommodate saucepans and large bowls in the lower basket. You can either fold each section (1 2) individually or, all at once, to create a large empty space.
Simply press the handgrips (A) and fold them down"

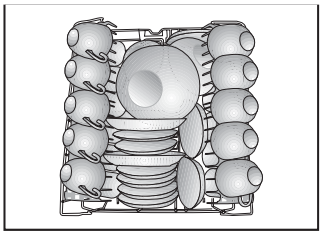



## Cutlery basket





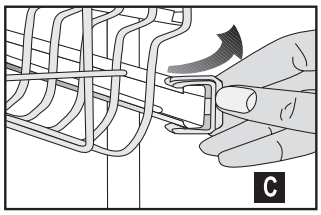


## Upper basket
### Suggestions for loading the dishwasher

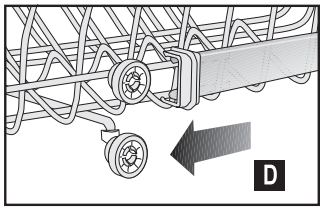
Load the upper basket with dessert plates, cups, glasses etc.

### Height setting with empty basket

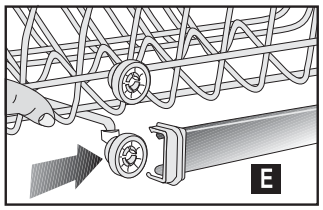
In this model, the height setting of the upper basket may be changed using the wheels which are present at two height levels.
Release the latches on both the right and left tracks of the upper basket by turning them to the outside (**C**).



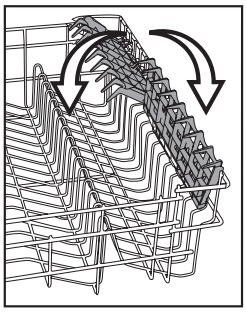

Pull out the basket completely (**D**).

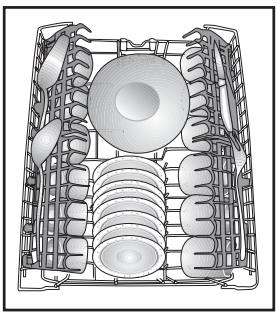



Place the basket into the tracks again at the desired height (**E** ).




Push the latches back into the correct position.





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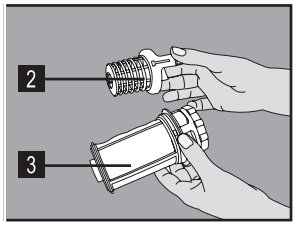
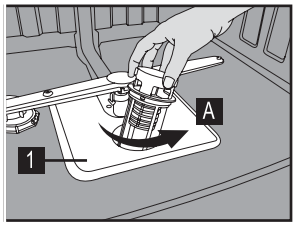
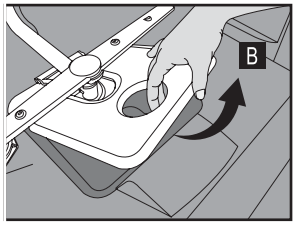
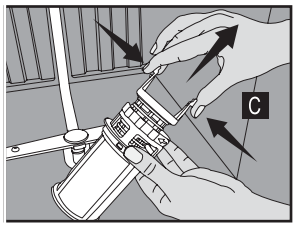
# 7 How to clean your dishwasher




Cleaning your machine at regular intervals ensures longer product life and reduces the risk of reccurring problems.

⚠ Warning

Always unplug the machine and turn off the water supply before cleaning.
Use a gentle household cleaner for the outside and the door seals.
Clean the control panel only with a moist cloth and clear water.

## Cleaning the filters

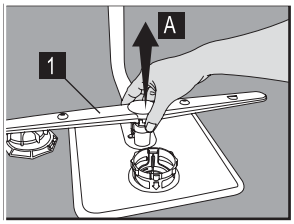
Clean the filters and the spray arms regularly. A dirty machine will have a negative effect on the cleaning results.

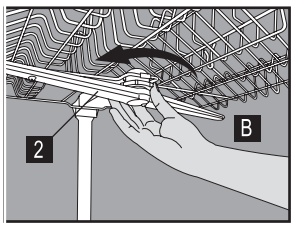
1 Main filter
2 Coarse filter
3 Micro filter

1. Remove the lower basket from the machine.
2. Turn the coarse filter to the right and pull it out in an upward direction (A).
3. Pull out the main filter (B).
4. Press on the two tongues of the coarse filter and remove the micro filter (C).
5. Clean the filters thoroughly under running water. Use a brush if necessary.
6. Replace main filter
7. Replace the micro filter and the coarse filter into the main filter. Twist it clockwise until it clicks in.

⚠ Warning

Do not operate your dishwasher without a filter.
Ensure that your filters are correctly installed
Clean the filters regularly.




## Cleaning the spray arms

Dirt or calcium residue may block the nozzles on the spray arms. For this reason, regularly check the spray nozzles.

1 Lower spray arm
2 Upper spray arm

1. Remove the lower basket from the machine.
2. Pull off the lower spray arm in an upward direction (A).
3. Loosen the fastening screw of the upper spray arm and pull off the spray arm (B).
4. Clean the spray arms under running water.
5. Replace the spray arms.

⚠ Warning

Ensure that the fastening screws are screwed tight.

## Cleaning the filter inset in the water inlet hose (depending on the model)

Dirt from deposits in the water pipes is prevented by a filter in the water inlet hose. Check the filter and the water inlet from time to time.

1. Close the water tap and unscrew the water inlet hose.
2. Take out the filter and clean it under running water.
3. Replace the cleaned filter.
4. Fasten the water inlet hose to the water tap again.

# 8 Trouble shooting

## What if the dishwasher will not run:

- Is the machine plugged in?
- Are all fuses operative?
- Is the water supply fully turned on?
- Is the dishwasher door closed firmly?
- Have you pressed the On/Off button?
- Are the filters clogged?

GB

# The cleaning results are unsatisfactory

## The dishes are not becoming clean

| Possible causes | How to fix these problems |
|---|---|
| - Improper loading | - Load the dishwasher as suggested in the directions. |
| - Wrong programme selection | - Select a programme which washes at a higher temperature or takes longer. |
| - Spray arms are not turning | - Check if the spray arms move freely. |
| - Clogged filters | - Clean all strainers and filters as described in the manual |
| - Filters are not placed in their proper positions | - Check if all strainers and filters are placed in their proper positions |
| - Spray arm nozzles are clogged | - Clean the spray arms as described in the manual |
| - Overloaded baskets | - Do not overlaod the baskets |
| - Detergent is moist or clumping | - Store detergents in a dry location. Close the lid of the container carefully |
| - Too little detergent | - Increase the amount of the detergent as per the programme table. |
| - Too little rinse aid | - Increase the amount of rinse aid / refill the rinse aid dispenser. |
| - The lid of the detergent dispenser remained open. | - Always ensure that you close the detergent dispenser lid after pouring in the detergent. |
| - Using cutlery with a low surface quality | - Cutlery of this type is not suited to dishwashers. |

## The dishes are not becoming dry

| Possible causes | How to fix these problems |
|---|---|
| - Improper loading | - Load the dishwasher as suggested in this booklet. |
| - Insufficient rinse aid supply | - Increase the amount of rinse aid / refill the rinse aid dispenser. |
| - Dishes are removed too soon | - Do not empty your dishwasher immediately after washing. Open the door slightly so that the steam can escape. Begin with unloading the dishwasher when the dishes are only hand warm. Empty the lower basket first. This prevents water from dripping off dishes in the upper basket. |
| - Wrong programme selection | - In short period programmes, the wash temperature and therefore the cleaning performance is lower. Choose a programme with a longer washing time. |
| - Using cutlery with a low surface quality | - Water drainage is more difficult with these items. Cutlery or dishes of this type is not suited to dishwashers. |

## Tea, coffee or other stains

| Possible causes | How to fix these problems |
|---|---|
| - Wrong programme selection | - Select a programme which washes at a higher temperature or takes longer. |
| - Detergent is moist or clumping | - Bleaches in cleaners lose their efficacy when stored under unfavourable conditions. Store detergents in a dry location. Close the lid of the container carefully. |
| - Using cutlery with a low surface quality | - Cleaning of these items is made difficult by their surface structure. Cutlery or dishes of this type is not suited to dishwashers. |

## Calcium streaks, misty appearance

| Possible causes | How to fix these problems |
|---|---|
| - Insufficient rinse aid supply | - Increase the amount of rinse aid / refill the rinse aid dispenser |

| Possible causes | How to fix these problems |
|---|---|
| - The hardness is not selected properly; too little salt is being used. | - Check the set values with the stated values from the local water board. |
| - Salt loss | - Check whether the lid of the salt container is firmly closed. Use the funnel to pour in special salt. Begin the pre-wash programme right after filling in salt. After the program is complete, check whether the lid may have loosened. |

## Smell

| Possible causes | How to fix these problems |
|---|---|
| - Smell of new machine | - The smell of a new machine disappears after a few washing runs. |
| - Filters are dirty | - Clean all strainers and filters as described in the manual. |
| - Dishes stand in the machine for a few days without being washed | - Remove coarse dirt under running water and carry out the pre-wash program with an interval of 2 days without a detergent. Close the door to avoid the development of smells. |

## Milky appearance or blue shimmering deposit on the glasses (glass corrosion)

| Possible causes | How to fix these problems |
|---|---|
| - Excessive use of detergent when water hardness is low, cleaning temperature is too high | - Choose a programme with a low temperature and add a smaller amount of detergent. Check the set water hardness against the stated values from the local water board. |

## Rust stains, destruction of the surface

| Possible causes | How to fix these problems |
|---|---|
| - The lid of the salt container is not closing properly. | - Salt can destroy metal surfaces and cause rust damage.<br>- Check whether the lid of the salt container is firmly closed. Use the funnel to pour in special salt. Begin the pre-wash programme right after filling in salt. After the program is complete, check whether the lid may have loosened. |

| | |
|---|---|
| - Food leftovers are staying on the dishes for too long | - Remove coarse dirt under running water and carry out the pre-wash program with an interval of 2 days without a detergent. |
| - The machine is not grounded properly | - Check the grounding of the system. Static electricity may eat holes into metal and cause irreparable damages. |
| - Cutlery parts from low-grade rust-free steel. | - Rust on such items cannot be avoided. Cutlery or dishes of this type is not suited to dishwashers. |
| - Dish items with rust stains | - Rusty dishes may „infect“ other items. Cutlery or dishes of this type is not suited to dishwashers. |

| Possible causes | How to fix these problems |
|---|---|
| - Moisture in the detergent dispenser | - Ensure that the detergent dispenser is dry before filling it. |
| - Detergent stays in the dispenser of the dishwasher for too long | - Pour the detergent in just before washing. |
| - The lid of the detergent dispenser does not open. | - When loading the dishwasher, take care to ensure that you do not accidentally open the lid. |
| - Detergent is moist or clumping | - Store detergents in a dry location. Close the lid of the container carefully. |
| - Spray arm nozzles are clogged. | - Clean the spray arms as described in the manual |

## Paling of decoration

| Possible causes | How to fix these problems |
|---|---|
| - Paling of decoration on glasses and porcelain | - Glasses, porcelain and cutlery of this type are not suited for dishwashers. |

## Scratched dishes

| Possible causes | How to fix these problems |
|---|---|
| - Dish items/parts made from aluminium | - Dishes and cutlery of this type are not suited to dishwashers. |
| - The lid of the salt container is not closing properly. | - Check whether the lid of the salt container is firmly closed. Use the funnel to pour in special salt. Begin the pre-wash programme right after filling in salt. After the program is complete, check whether the lid may have loosened. |
| - The hardness is not selected properly; too little salt is being used. | - Check the set values with the stated values from the local water board. |
| - Detergents are being stored under unfavourable conditions | - Detergents should not be stored longer than 2 months. Store detergents in a dry location. Close the lid of the container carefully. |
| - Overloaded baskets | - Take care to ensure that individual glasses and dishes do not touch. They may hit against each other during the washing process, causing scratched. |

## Dishes break

Possible causes

- Improper loading
- Overloaded baskets

How to fix these problems

- Load the dishwasher as suggested in the directions.
- Do not overload the dish baskets. Dishes may hit against each other and break.

## Foam

Possible causes

- The dishes were pre-washed by hand with a large amount of dish detergent
- Rinse aid has accidentally leaked into the machine
- The cover of the rinse aid dispenser was not closed.

How to fix these problems

- Dishes do not need to be pre-washed. Coarse dirt may be removed with a dishcloth, or you may hold the dishes under running water.
- If rinse aid has been spilled during refilling, remove the agent using a paper cloth or sponge.
- Always take care to ensure that the lid is closed after refilling the rinse aid dispenser.

## Water remains inside the machine after the rinse cycle

Possible causes

- Clogged filters
- Drain hose bent. Relief hose blocked or bent.

How to fix these problems

- Clean all strainers and filters as described in the manual
- Ensure that the relief hose is properly placed.

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# 9 Technical features

| | |
|---|---|
| Permissible water pressure | 0,3 –10 bar (= 3 – 100 N/cm² = 0,01-1,0Mpa) |
| Electrical connection | 230 Volt, 10 Amps (see type plate) |
| Total power | 2200 W |
| Heater power | 1900 W |

Because we continually strive to improve our products, we may change our specifications and designs without prior notice.

This device corresponds to the following EU Directives:

| | |
|---|---|
| 73/23/EC | Low Voltage Directive |
| 89/336/EC | EMV directive |
| 93/68/EC | CE identification directive |
| DIN EN 50242 | Electric dishwasher for domestic use Testing method for utilization properties |

# 10 Directions for assembly

## Safety notes for installation

Prior to installing and using your machine, please check it for possible transport damage.
If the machine is damaged, please contact your supplier. Never install and use damaged machines.

The following directions must be observed in order to connect the dishwasher properly.

- Make sure that the data on the type plate correspond to the current and voltage of your power supply connections before putting the machine into operation.
- The connection of the machine may only be made using a properly grounded socket. Ensure that the grounding is in accordance with regulations.
- The grounded socket must be easily accessible and close to the machine.
- Do not use extension cables or multiple adapters. There is a possibility of fire hazard through overheating.
- Hardwiring may only be carried out by a qualified electrician.
- Check the power cable, the water inlet hose and the drainage hose. Damaged parts may only be exchanged by customer service personnel or by a qualified electrical service expert.

## Installing your dishwasher

- Choose a suitable location for your dishwasher. Take care to ensure that the machine is standing safely and levelly.
- Unevenness in the floor can be equalised by adjusting the screw feet. When the machine is standing correctly, the door can be closed without difficulties.
- Water inlet and drainage hoses must be placed so that they can move freely in order to avoid bending or squeezing them.
- The machine may not be hooked up in rooms with a temperature below 0° Celsius.

## Water connection

- There are two different types of water inlet hoses:
  - Cold water inlet hose (up to 25°C)
  - Hot water inlet hose (up to 60°C)

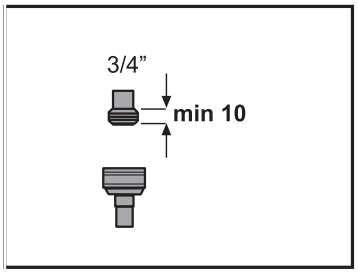
  please check which one is applicable to your model.

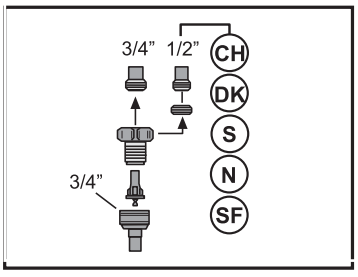
  If you are willing to connect your machine to natural energy resources or to the central hot water supply, first check out whether your water inlet hose type is suitable by checking the temperature values written on the hose. If your hose is not suitable, apply to your authorized service to change the hose.

- The dishwasher may not be connected to open warm water devices and flow-through water heaters.

### Permissible water pressure:

| | |
|---|---|
| Lowest permissible water pressure:<br>0,3 bar = 3 N/cm² = 30 kPa | When the water pressure is below 1 bar, please contact your technician. |
| Highest permissible water pressure:<br>10 bar = 100N/cm² = 1MPa | When the water pressure is above 10 bar, a pressure reduction valve must be installed (available in trade supply stores). |




### Connect water inlet hose

Take care to ensure that the water inlet hose is not bent or squeezed. Do not install a used hose set.

Use a screw-on hose connector to connect the water inlet hose to a water tap with an external thread with a measurement of 3/4 inches.

If required, use a filter inset to filter deposits from the pipes.
Check that the connection does not leak.

⚠ **Attention**

For safety reasons, close the tap after every rinse process.

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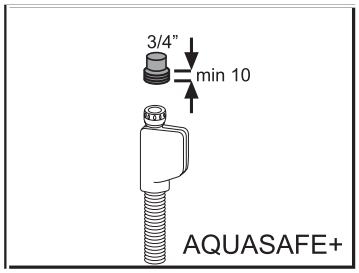
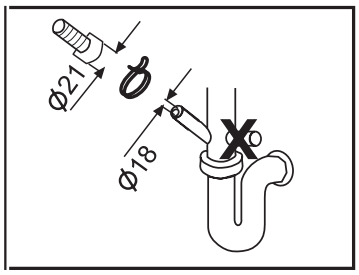



## AQUASAFE+ (depends on the model)

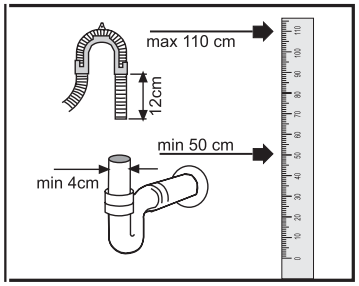
The Aquasafe+- system protects you from water damage which may be caused at the water inlet hose.
Do not immerse the system's valve box into water; it contains electrical components.
In case of damage, pull out the power supply plug.
Do not shorten or lengthen the hose insert, since it contains electrical cables and components.




## Water drainage

### Connecting the drainage hose.
Take care to ensure that the water intake hose is not bent or squeezed.
Check that the drainage hose is firmly seated in place.

### Extension hoses
If a hose extension is required, a drainage hose of equal quality must be used
The maximum length must not exceed 4m. Otherwise, the machine's cleaning process is negatively influenced.




### Siphon connection
The drainage height must be between 50 and 100 cm above the floor.
Use hose clamps to fasten the drainage hose to the siphon.

## Electrical connection

Please refer to the type plate for information on current type, mains voltage, and fuse protection.
The type plate is located on the inside of the door.
The mains plug must be freely accessible after installation.
Power cables and insulated cables must not be accessible after installation.

# 11 Service

If your machine ever experiences faults in operation, check the notes and advice in the operating manual.

If this does not fix the problem, our customer service staff is available to you.

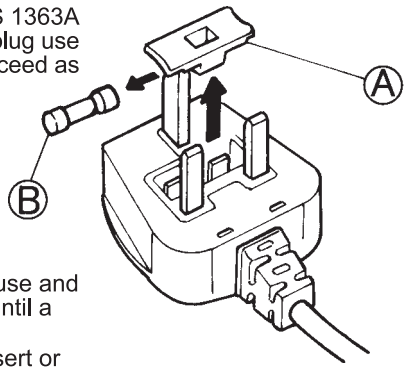
# Electrical Connection

### 1) For Great Britain only

### Warning - this appliance must be earthed

### Fuse replacement

If the mains lead of this appliance is fitted with a BS 1363A 13amp fused plug, to change a fuse in this type of plug use an A.S.T.A. approved fuse to BS 1362 type and proceed as follows:




1. Remove the fuse cover (**A**) and fuse (**B**).
2. Fit replacement 13A fuse into fuse cover.
3. Refit both into plug.

**Important:**
The fuse cover must be refitted when changing a fuse and if the fuse cover is lost the plug must not be used until a correct replacement is fitted.
Correct replacement are identified by the colour insert or the colour embossed in words on the base of the plug.
Replacement fuse covers are available from your local electrical store.

### 2) For the Republic of Ireland only

The information given in respect of Great Britain will frequently apply, but a third type of plug and socket is also used, the 2-pin, side earth type.

### 3) Socket outlet / plug (valid for both countries)

If the fitted plug is not suitable for your socket outlet, please contact Whirlpool Service for further instruction. Please do not attempt to change plug yourself. This procedure needs to be carried out by a qualified Whirlpool technician in compliance with the manufactures instructions and current standard safety regulations.